PROPOSED NEW CLAIMS

19. An arrangement for projecting an image, comprising:

a) an energizable, electro-optical assembly for directing a visible light beam toward a viewing surface when energized, and for sweeping the light beam along a plurality of scan lines that extend over the viewing surface; and

b) a controller operatively connected to, and operative for energizing, the assembly at selected positions of the light beam on at least one of the scan lines to generate the image on the viewing surface.

20. The arrangement of claim 19, wherein the assembly includes a light source for generating the light beam, and wherein the controller is operative for energizing and de-energizing the light source as the light beam is swept along said at least one of the scan lines.

21. The arrangement of claim 20, wherein the assembly includes a first scan mirror for sweeping the light beam along a ~~first~~ direction along said at least one of the scan lines, and a second scan mirror for sweeping the light beam along a second direction generally orthogonal to the first direction, and wherein the controller is operative for energizing and de-energizing the light source as the light beam is swept along a plurality of each of the scan lines.

22. The arrangement of claim 19; and further comprising a housing for supporting the assembly, the housing having a light-transmissive element through which the swept light beam is directed toward the viewing surface.

23. The arrangement of claim 22, wherein the housing has a size and a shape configured to be held in a user's hand.

24. The arrangement of claim 23, wherein the housing is elongated and extends between opposite end regions, and wherein the element is located at one of the end regions.

25. The arrangement of claim 23, wherein the housing has a panel having a front surface to which the swept light beam is directed.

26. The arrangement of claim 25, wherein the panel is mounted on the housing for movement to a display position in which the swept light beam is incident on the front surface of the panel.

27. The arrangement of claim 21, wherein the first scan mirror is moved at a first rate of speed through a first angular distance, and wherein the second scan mirror is moved at a second rate of speed slower than said first speed, and through a second angular distance greater than said first angular distance.

28. The arrangement of claim 19, wherein the controller is operatively connected to a memory having stored fonts and timing data as to when to energize and de-energize the assembly to display the image as font characters.

29. A method of projecting an image, comprising the steps of:

a) generating visible parts of the image by directing a visible light beam toward a viewing surface, and by sweeping the light beam along a plurality of scan lines that extend over the viewing surface; and

b) generating non-visible parts of the image by preventing the directing step at selected positions of the light beam on at least one of the scan lines.

30. The method of claim 29, wherein step (a) is performed by energizing a light source, and step (b) is performed by de-energizing the light source.

31. The method of claim 29, wherein the sweeping step is performed by sweeping the light beam along two mutually orthogonal directions.

32. The method of claim 29, wherein step (a) and step (b) are performed in a housing having a light-transmissive element through which the swept light beam is directed.

33. The method of claim 32, wherein step (a) is performed by directing the swept light beam at a front surface of a panel mounted on the housing.

34. The method of claim 29, wherein step (a) is performed by displaying font characters.